



# AD22

## Indicator lamp series

### Brief introduction

AD22-22-25-16 (LED) and AD22-22-25-16-12 (NEON) series of indicator is equally used LED shining chip as light source. Because of long life, low consumption, small volume and light weight, it is a product replaced the older generations XD all kinds of incandescent lamp and indicator of neon lamp by new ones. AD22-25, AD22-22 and AD22-16 indicators produced by our factory have following character: high brightness,good reliability, beautiful shape and careful manufacture. Products are well praised by lots of clients. In order to fit in with quality and aestheric demand of user, we develop AD22-22B,C,D,E,G,H,double-color lamp,position indicator, shining buzzer and mini short indicator again and use AD22-22G/22GS series button style to design shape, and it is possible to seal all kinds of international standard symbols or make to order ones in lampshade. Lampshade is made of polycarbonate with high intension and has better anti-surge performance, set up bolt-type connector in it, which will be safer and more convenient. All improvement will be provided convenience and perfection for you.

### Use

AD22 series of indicators are used as indicating, foretelling, accident and other signals in the lines of equipment (such as electrical power, telecommunication, machine tool, watercraft, textile, printing, mine machinery, etc).

### Applicable environment

- 1) Environmental temperature:-25℃~+55℃.
- 2) Relative humidity: ≤ 98%.
- 3) It can normally work under following condition: vibration frequency is 2-80Hz and accelerated speed is 0.7g.
- 4) Pollution grade is 3 and installed sort is III
- 5) There is a "TH" sign, and it is possible to work under the moist tropical environment.

### Main technical data

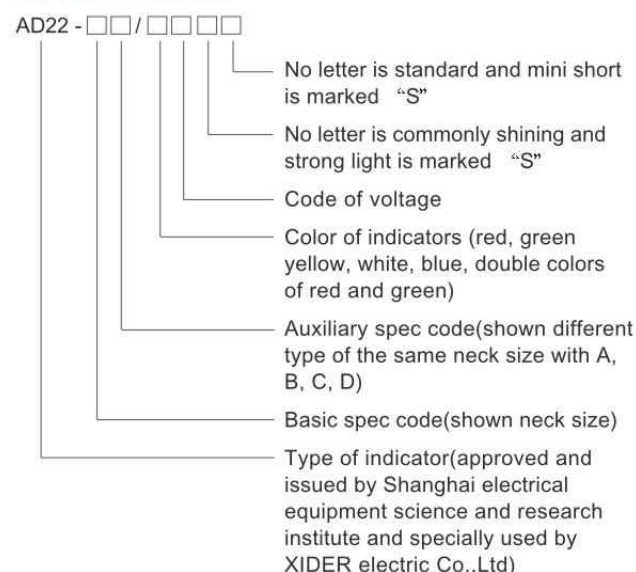
- 1) Voltage of working frequency: 2.5kV(AC valid value), 1 min.
- 2) Insulated resistance ≥ 2MΩ
- 3) Voltage wave allowed by AC indicator ± 20%
- 4) Continual working life ≥ 30000h
- 5) Brightness ≥ 60cd/m<sup>2</sup>
- 6) Index of leakage CT1 ≥ 100
- 7) Protection grade IP65, and it is possible to be made to order IP67
- 8) Using frequency AC50~60Hz

### Contrast list of voltage current and code

| Voltage code   | 21    | 22  | 23    | 24 | 25 | 26  | 27  | 28  | 29  | 30  | 31  | 32  |
|----------------|-------|-----|-------|----|----|-----|-----|-----|-----|-----|-----|-----|
| Supply voltage | AC.DC |     |       |    |    |     |     | DC  | FD  |     | AC  |     |
| Voltage(V)     | 6     | 12  | 24    | 36 | 48 | 110 | 127 | 220 | 380 | 500 | 220 | 380 |
| Current        | 140   | 172 | 18-72 | 18 | 18 | 16  | 16  | 12  | 12  | 12  | 16  | 17  |

Note: "FD" in the list means a discharging lamp can be installed on the cupboard of capacitor.

### Type and meaning



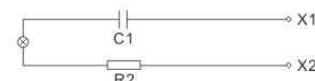
### Circuit direction

- 1) AC and DC indicator (DC, AC6V~DC, AC 220V)

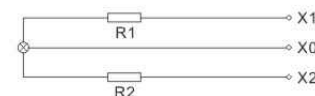


Note: When DC is 110V,220V and 380V,there is amount of heat, and it should be considered radiating condition.

- 2) AC indicator(AC220V, AC380V)



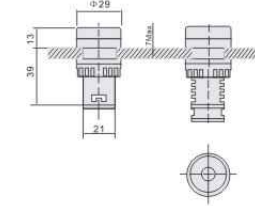
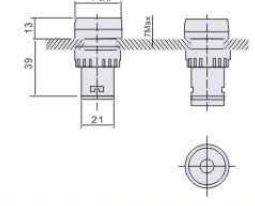
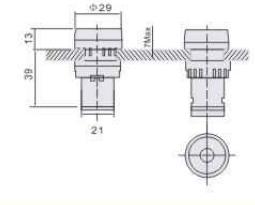
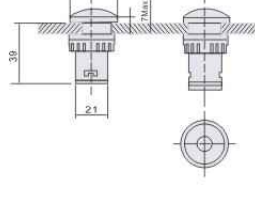
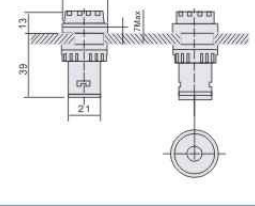
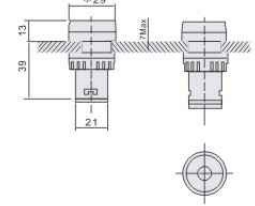
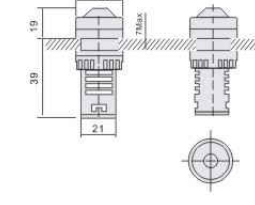
- 3) Return of double-color indicator (DC, AC110V~DC, AC220V)



Note: When put through X0 and X1,lamp gives out a green light, when done X0 and X2,lamp does a red one.

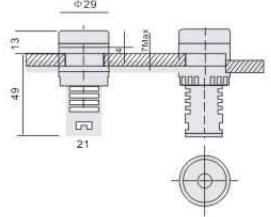
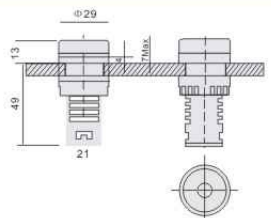
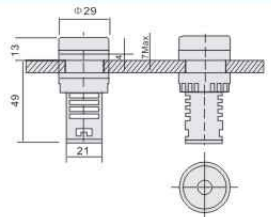
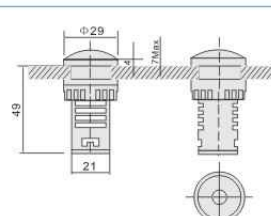
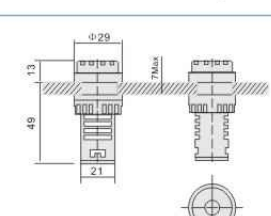
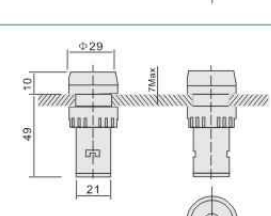
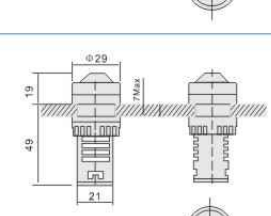
# AD22

## Indicator lamp series

| Indicator                                                                                                             | Circuit diagram                                                                       | Description             | Voltage                                                                                                                        | Color                                   | Type      |
|-----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-----------|
| <br>AD22-22DS/R<br>(AD16-22DS/R)   |    | Protected LED Indicator | 6V AC/DC<br>12V AC/DC<br>24V AC/DC<br>36V AC/DC<br>48V AC/DC<br>110V AC/DC<br>127V AC/DC<br>220V AC/DC<br>220V* AC<br>380V* AC | Red                                     | AD22-22DS |
| <br>AD22-22DS/Y<br>(AD16-22DS/Y)   |    | Protected LED Indicator | 6V AC/DC<br>12V AC/DC<br>24V AC/DC<br>36V AC/DC<br>48V AC/DC<br>110V AC/DC<br>127V AC/DC<br>220V AC/DC<br>220V* AC<br>380V* AC | Yellow                                  | AD22-22DS |
| <br>AD22-22DS/G<br>(AD16-22DS/G)   |   | Protected LED Indicator | 6V AC/DC<br>12V AC/DC<br>24V AC/DC<br>36V AC/DC<br>48V AC/DC<br>110V AC/DC<br>127V AC/DC<br>220V AC/DC<br>220V* AC<br>380V* AC | Green(PG)<br>Blue(PB)<br>White(PW)      | AD22-22DS |
| <br>AD22-22CS/R<br>(AD16-22CS/R) |  | Protected LED Indicator | 6V AC/DC<br>12V AC/DC<br>24V AC/DC<br>36V AC/DC<br>48V AC/DC<br>110V AC/DC<br>127V AC/DC<br>220V AC/DC<br>220V* AC<br>380V* AC | Red<br>Green<br>Yellow<br>Blue<br>White | AD22-22CS |
| <br>AD22-22ES/G<br>(AD16-22ES/G) |  | Protected LED Indicator | 6V AC/DC<br>12V AC/DC<br>24V AC/DC<br>36V AC/DC<br>48V AC/DC<br>110V AC/DC<br>127V AC/DC<br>220V AC/DC<br>220V* AC<br>380V* AC | Red<br>Green<br>Yellow<br>Blue<br>White | AD22-22ES |
| <br>AD22-22BS/B<br>(AD16-22BS/B) |  | Protected LED Indicator | 6V AC/DC<br>12V AC/DC<br>24V AC/DC<br>36V AC/DC<br>48V AC/DC<br>110V AC/DC<br>127V AC/DC<br>220V AC/DC<br>220V* AC<br>380V* AC | Red<br>Green<br>Yellow<br>Blue<br>White | AD22-22BS |
| <br>AD22-22HS/G<br>(AD16-22HS/G) |  | Protected LED Indicator | 6V AC/DC<br>12V AC/DC<br>24V AC/DC<br>36V AC/DC<br>48V AC/DC<br>110V AC/DC<br>127V AC/DC<br>220V AC/DC<br>220V* AC<br>380V* AC | Red<br>Green<br>Yellow<br>Blue<br>White | AD22-22HS |

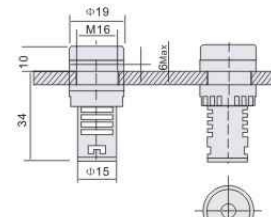
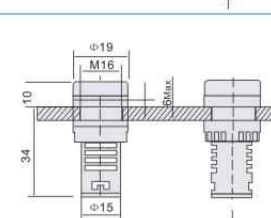
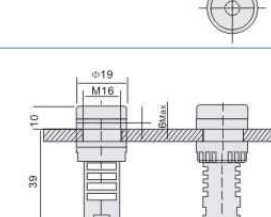
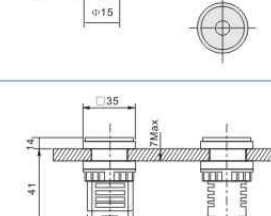
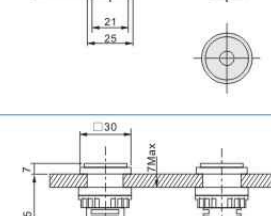
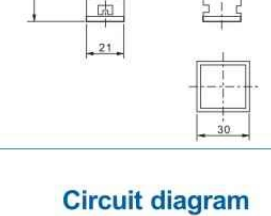
## AD22

Indicator lamp series

| Indicator                                                                           | Circuit diagram                                                                     | Description             | Voltage                                                                                                                        | Color                                   | Type     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|----------|
|    |    | Protected LED Indicator | 6V AC/DC<br>12V AC/DC<br>24V AC/DC<br>36V AC/DC<br>48V AC/DC<br>110V AC/DC<br>127V AC/DC<br>220V AC/DC<br>220V* AC<br>380V* AC | Red<br>Green<br>Yellow<br>Blue<br>White | AD22-22D |
|    |    | Protected LED Indicator | 6V AC/DC<br>12V AC/DC<br>24V AC/DC<br>36V AC/DC<br>48V AC/DC<br>110V AC/DC<br>127V AC/DC<br>220V AC/DC<br>220V* AC<br>380V* AC | Red<br>Green<br>Yellow<br>Blue<br>White | AD22-22D |
|    |   | Protected LED Indicator | 6V AC/DC<br>12V AC/DC<br>24V AC/DC<br>36V AC/DC<br>48V AC/DC<br>110V AC/DC<br>127V AC/DC<br>220V AC/DC<br>220V* AC<br>380V* AC | Red<br>Green<br>Yellow<br>Blue<br>White | AD22-22D |
|  |  | Protected LED Indicator | 6V AC/DC<br>12V AC/DC<br>24V AC/DC<br>36V AC/DC<br>48V AC/DC<br>110V AC/DC<br>127V AC/DC<br>220V AC/DC<br>220V* AC<br>380V* AC | Red<br>Green<br>Yellow<br>Blue<br>White | AD22-22C |
|  |  | Protected LED Indicator | 6V AC/DC<br>12V AC/DC<br>24V AC/DC<br>36V AC/DC<br>48V AC/DC<br>110V AC/DC<br>127V AC/DC<br>220V AC/DC<br>220V* AC<br>380V* AC | Red<br>Green<br>Yellow<br>Blue<br>White | AD22-22E |
|  |  | Protected LED Indicator | 6V AC/DC<br>12V AC/DC<br>24V AC/DC<br>36V AC/DC<br>48V AC/DC<br>110V AC/DC<br>127V AC/DC<br>220V AC/DC<br>220V* AC<br>380V* AC | Red<br>Green<br>Yellow<br>Blue<br>White | AD22-22B |
|  |  | Protected LED Indicator | 6V AC/DC<br>12V AC/DC<br>24V AC/DC<br>36V AC/DC<br>48V AC/DC<br>110V AC/DC<br>127V AC/DC<br>220V AC/DC<br>220V* AC<br>380V* AC | Red<br>Green<br>Yellow<br>Blue<br>White | AD22-22H |

## AD22

Indicator lamp series

| Indicator                                                                             | Circuit diagram                                                                       | Description             | Voltage                                                                                                                        | Color                                   | Type                                                                    |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-------------------------------------------------------------------------|
|    |    | Protected LED Indicator | 6V AC/DC<br>12V AC/DC<br>24V AC/DC<br>36V AC/DC<br>48V AC/DC<br>110V AC/DC<br>127V AC/DC<br>220V AC/DC<br>220V* AC<br>380V* AC | Red<br>Green<br>Yellow<br>Blue<br>White | AD16-16DS                                                               |
|    |    | Protected LED Indicator | 6V AC/DC<br>12V AC/DC<br>24V AC/DC<br>36V AC/DC<br>48V AC/DC<br>110V AC/DC<br>127V AC/DC<br>220V AC/DC<br>220V* AC<br>380V* AC | Red<br>Green<br>Yellow<br>Blue<br>White | AD16-16DS                                                               |
|    |   | Protected LED Indicator | 6V AC/DC<br>12V AC/DC<br>24V AC/DC<br>36V AC/DC<br>48V AC/DC<br>110V AC/DC<br>127V AC/DC<br>220V AC/DC<br>220V* AC<br>380V* AC | Red<br>Green<br>Yellow<br>Blue<br>White | AD16-16D                                                                |
|  |  | Protected LED Indicator | 6V AC/DC<br>12V AC/DC<br>24V AC/DC<br>36V AC/DC<br>48V AC/DC<br>110V AC/DC<br>127V AC/DC<br>220V AC/DC<br>220V* AC<br>380V* AC | Red<br>Green<br>Yellow<br>Blue<br>White | AD22-30DS                                                               |
|  |  | Protected LED Indicator | 6V AC/DC<br>12V AC/DC<br>24V AC/DC<br>36V AC/DC<br>48V AC/DC<br>110V AC/DC<br>127V AC/DC<br>220V AC/DC<br>220V* AC<br>380V* AC | Red<br>Green<br>Yellow<br>Blue<br>White | AD22-22FD                                                               |
|  |  | Buzzer light            | 6V AC/DC<br>12V AC/DC<br>24V AC/DC<br>36V AC/DC<br>48V AC/DC<br>110V AC/DC<br>127V AC/DC<br>220V AC/DC<br>220V* AC<br>380V* AC | Red<br>Green<br>Yellow<br>Blue<br>Black | AD16-22SM/R<br>AD16-22SM/G<br>AD16-22SM/Y<br>AD16-22SM/B<br>AD16-22SM/K |